

Bulletin of Marine Science of the Gulf and Caribbean

VOLUME 4, 1954
NUMBERS 1-4



Published by the University of Miami Press
ISSUED 1955 • CORAL GABLES, FLORIDA, U. S. A.

BULLETIN OF MARINE SCIENCE OF THE GULF AND CARIBBEAN

EDITORIAL BOARD

F. G. WALTON SMITH
Managing Editor
University of Miami

HILARY B. MOORE
Editor
University of Miami

ROBERT M. INGLE
Assistant Editor
University of Miami

JOHN H. DAVIS, JR.
University of Florida

NORMAN MILLOTT
University College of the
West Indies

PAUL S. GALTSOFF
U.S. Fish and Wildlife
Service

CHARLES M. POMERAT
University of Texas

LUIS HOWELL RIVERO
University of Havana

LUIS R. RIVAS
University of Miami

DALE F. LEIPPER
Agricultural & Mechanical
College of Texas

WALDO L. SCHMITT
United States National
Museum

Editorial Office:

MARINE LABORATORY, UNIVERSITY OF MIAMI
Coral Gables (University Branch) 46, Florida

ALPHABETICAL LIST BY AUTHOR'S NAME

	PAGE
ARATA, GEORGE F. JR.: A contribution to the life history of the swordfish, <i>Xiphias gladius</i> Linnaeus, from the south coast of the United States and the Gulf of Mexico (No. 3, Sept., 1954)	183
BEIN, SELWYN JACK: A study of certain chromogenic bacteria isolated from "Red Tide" water with a description of a new species (No. 2, June, 1954)	110
CHEW, FRANK AND L. P. WAGNER: Note on correcting G. E. K. observations of Florida Current off Miami for tidal current (No. 4, Dec., 1954)	336
GREENFIELD, LEONARD J. AND FREDERICK A. KALBER: Inorganic phosphate measurement in sea water (No. 4, Dec., 1954)	323
GUNTER, GORDON: The relation of total rainfall of the State and catch of the marine shrimp (<i>Penaeus setiferus</i>) in Texas waters (No. 2, June, 1954)	95
HUBBS, CLARK AND VICTOR G. SPRINGER: The taxonomic position of <i>Gobioclinus gobicus</i> and <i>Ctenichthys interrupta</i> , two names for blennoid fishes (No. 4, Dec., 1954)	346
HUTTON, ROBERT F.: <i>Metacercaria owreae</i> n. sp., an unusual trematode larva from Florida Current chaetognaths (No. 2, June, 1954)	104
KALBER, FREDERICK A.: See Greenfield and Kalber.	
LEWIS, JOHN B.: The occurrence and vertical distribution of the Euphausiacea of the Florida Current (No. 4, Dec., 1954)	265
REID, GEORGE K. JR.: An ecological study of the Gulf of Mexico fishes, in the vicinity of Cedar Key, Florida (No. 1, March, 1954)	1
RIVAS, LUIS RENE: A preliminary report of the spawning of the Western North Atlantic bluefin tuna (<i>Thunnus thynnus</i>) in the Straits of Florida (No. 4, Dec., 1954)	302
SPRINGER, VICTOR G.: See Hubbs and Springer.	
VOSS, NANCY A.: The postlarval development of the fishes of the family Gempylidae from the Florida Current. I. <i>Nesiarchus</i> Johnson and <i>Gempylus</i> Cuv. and Val. (No. 2, June, 1954) ...	120
WAGNER, L. P.: See Chew and Wagner.	
WARD, HELEN L.: Parasites of marine fishes of the Miami region (No. 3, Sept., 1954)	244
REGIONAL BIBLIOGRAPHY FOR 1953 (No. 2, June, 1954) ...	160

